## LOCATION MAP: BLM-3-182 WSJF WELL ROAD ACCESS ROAD 100-D 10

## SITE ID: NASA-JSC WSTF

WSTF

LOCATION ID: Well 100-D

SITE COORDINATES: N224081.80, E413346.39

GROUND ELEVATION: 4748.45 (Brass Cap)

COUNTY AND STATE: Dona Ana County, New Mexico

DRILLING CONTRACTOR: Stewart Brothers Drilling Co.

DRILLING METHOD(S): Mud rotary/air foam rotary

DATES STARTED AND COMPLETED: May 6, 1997 - May 15, 1997

ATSC FIELD REPRESENTATIVES: Russell/Giles/Pearson

DEPTH TO BEDROCK AND TYPE: 176 Feet - Andesite

DEPTH TO GROUNDWATER: 176 Feet

TOTAL DEPTH OF BOREHOLE: 210 Feet

COMMENTS: - Mud rotary 17-inch tricone to 176 feet

- Set 10 3/4-inch surface casing to 176 feet

BOREHOLE LITHOLOGIC LOG

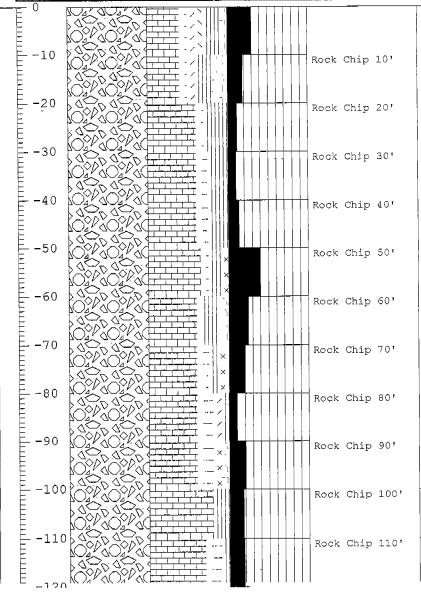
- Air foam 8 3/4-inch tricone to 210 feet

## LOCATION DESCRIPTION:

Quarter 1 NE1/4 Section 3
Quarter 2 SE1/4 Township T21S
Quarter 3 SE1/4 Range R3E

DEPTH LITHOLOGY VISUAL DRILLING SAMPLE TYPE LITHOLOGIC DESCRIPTION

(Feet) 0 100 0 100



ALLUVIUM: Santa Fe Group: Cuttings samples consist of polygenetic multi-colored clasts with localized clay-rich intervals. Color is variable between clast types depending on composition. Cuttings range in size from 2mm to 1.5 cm, and are fine gravel sized. Individual clasts are generally subangular, and angular where broken. The alluvium is an unconsolidated to poorly consolidated, nonsorted, poorly graded polygenetic pebble to boulder conglomerate. Intermittent clay-rich zones are noted in the log where present. Lithologies occurring in the alluvium are: limestone (grayish black (N2)); silty limestone and siltstone (dark yellowish orange (10YR 6/6)); rhyolite (reddish brown (10R 4/6)); granite (moderate pink (5R 7/4)), and; andesite (blackish red (5R 2/2).

: Limestone clasts locally increase to 80%, and are generally subangular to subrounded where not broken.

